

FIG.1

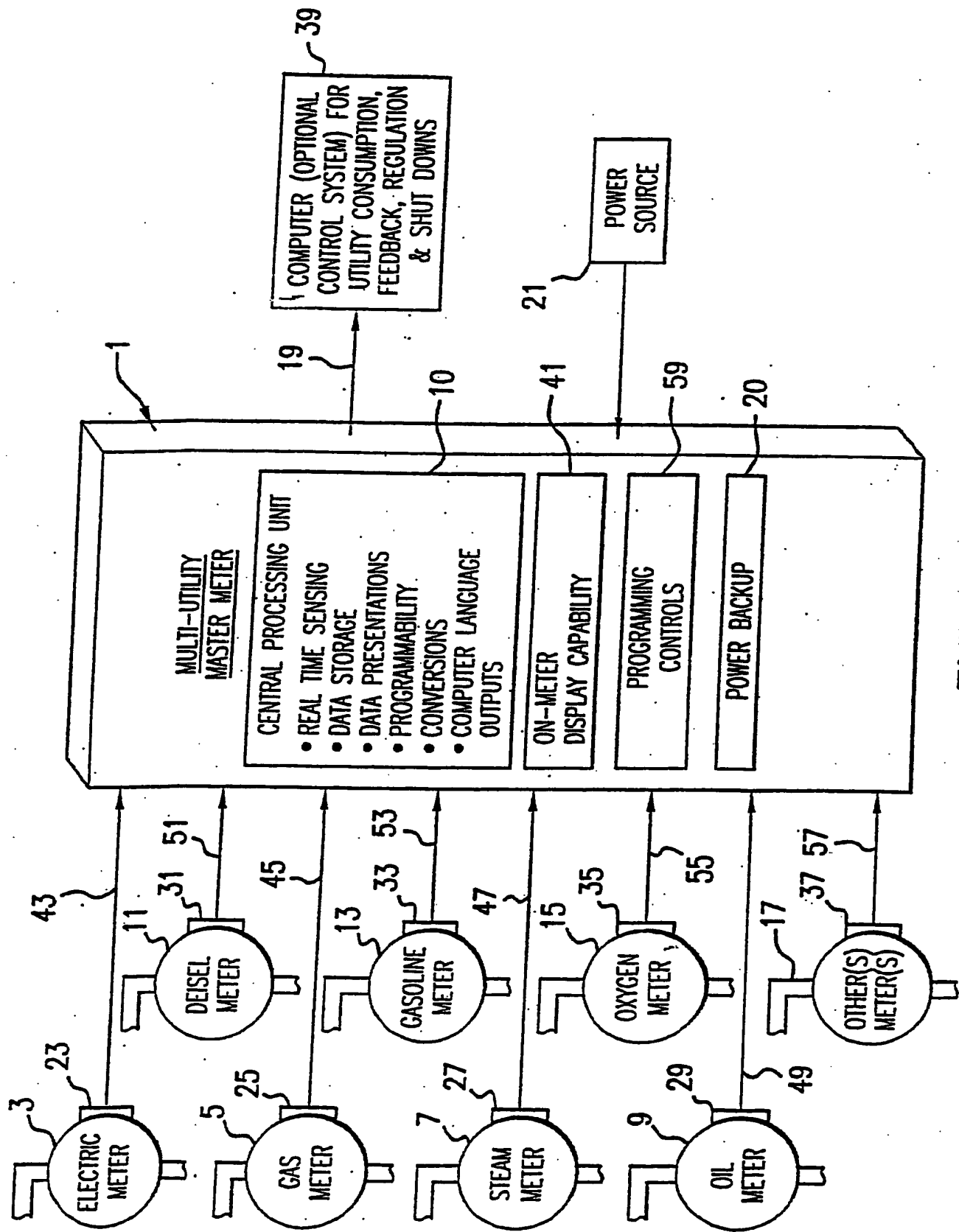


FIG. 2

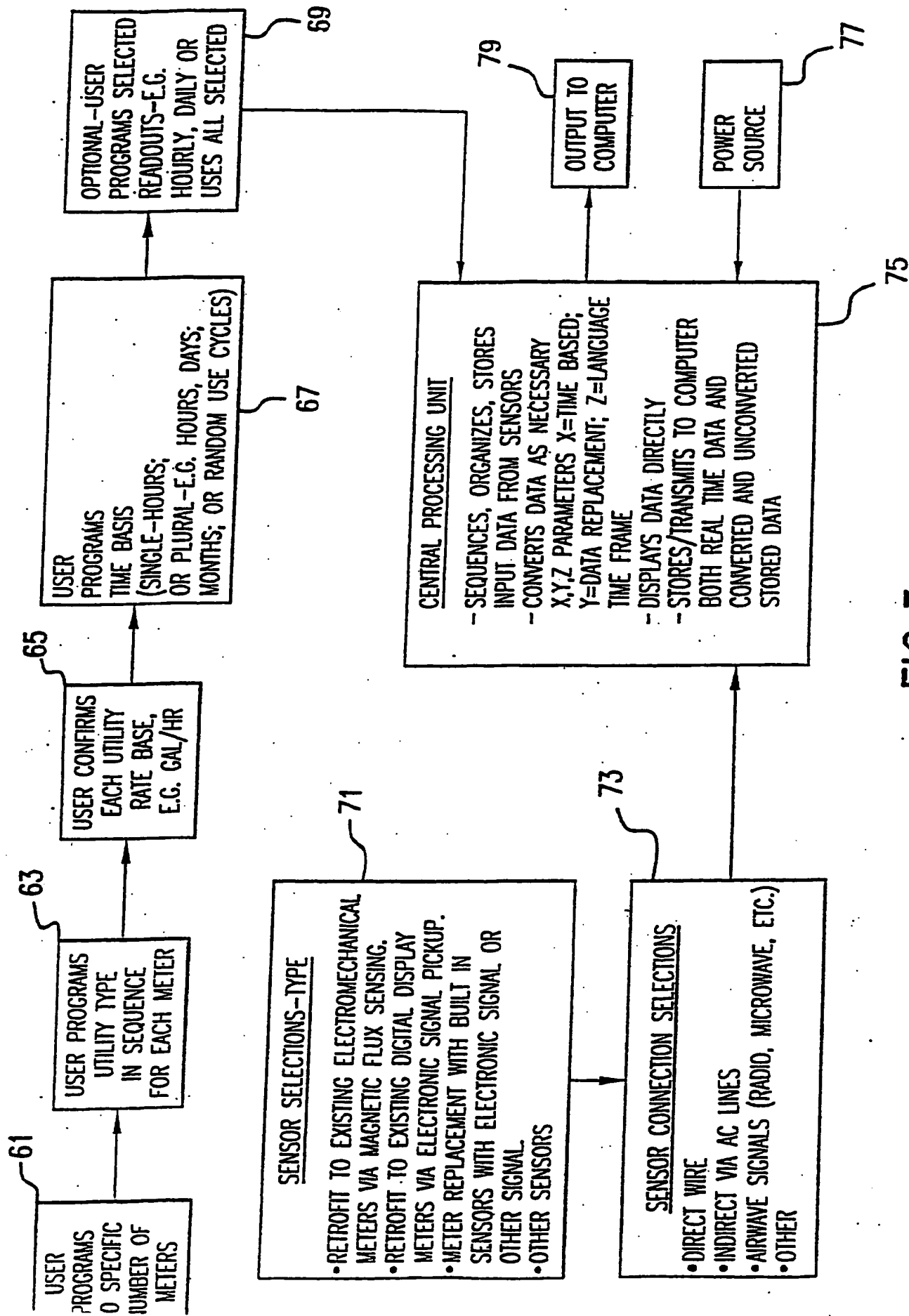


FIG. 3

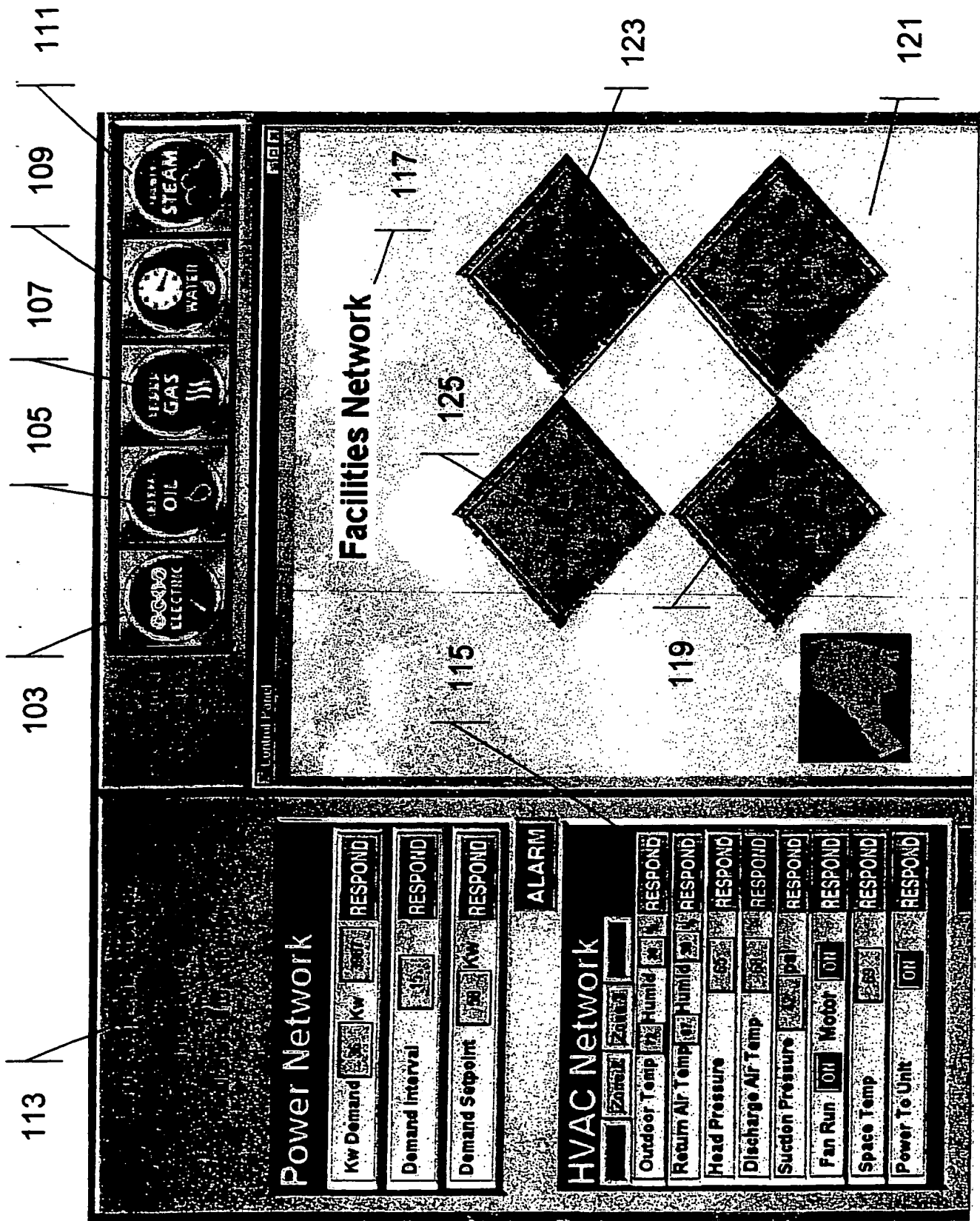


Figure 4

Real Time Electric Consumption and Energy Cost Analysis For



Provider: Public Service Electric and Gas

Price per Kwh = 9.5 Cents

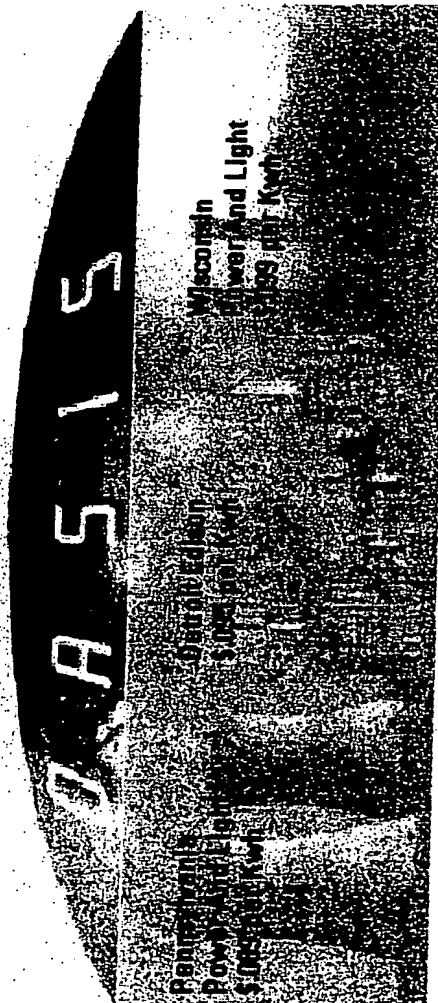
Total Consumption Today

\$44.55 for 468 Kw

Price Off Peak Kwh = .07 cents...\$275

Price On Peak Kwh = .09 cents...\$575

Demand Penalty = \$100.00



151

Figure 5

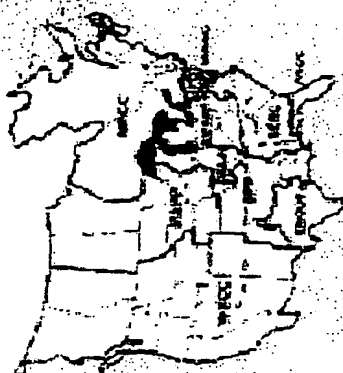
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OASIS Nodes in MAAC

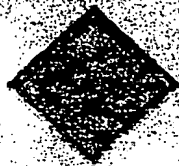
Node: PJM OASIS

<http://www.scribd.com>



161

Figure 6



Occupancy

RETURN

OUTSIDE INFORMATION

Of People Who Passed The Front Door/Gate 236

Approximate Time That These People Walked By

8:00 AM to 10:30 AM	24	3:30 PM to 5:00 PM	144
10:30 AM to 1:00 PM	14	5:00 PM to 7:30 PM	28
1:00 PM to 3:30 PM	56	7:30 PM to 10:00 PM	179

INSIDE INFORMATION

Of People Who Entered The Front Door/Gate 46

Approximate Time That These People Walked In

8:00 AM to 10:30 AM	13	3:30 PM to 5:00 PM	29
10:30 AM to 1:00 PM	24	5:00 PM to 7:30 PM	13
1:00 PM to 3:30 PM	16	7:30 PM to 10:00 PM	88

211

Figure 7

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Floor
Services

221

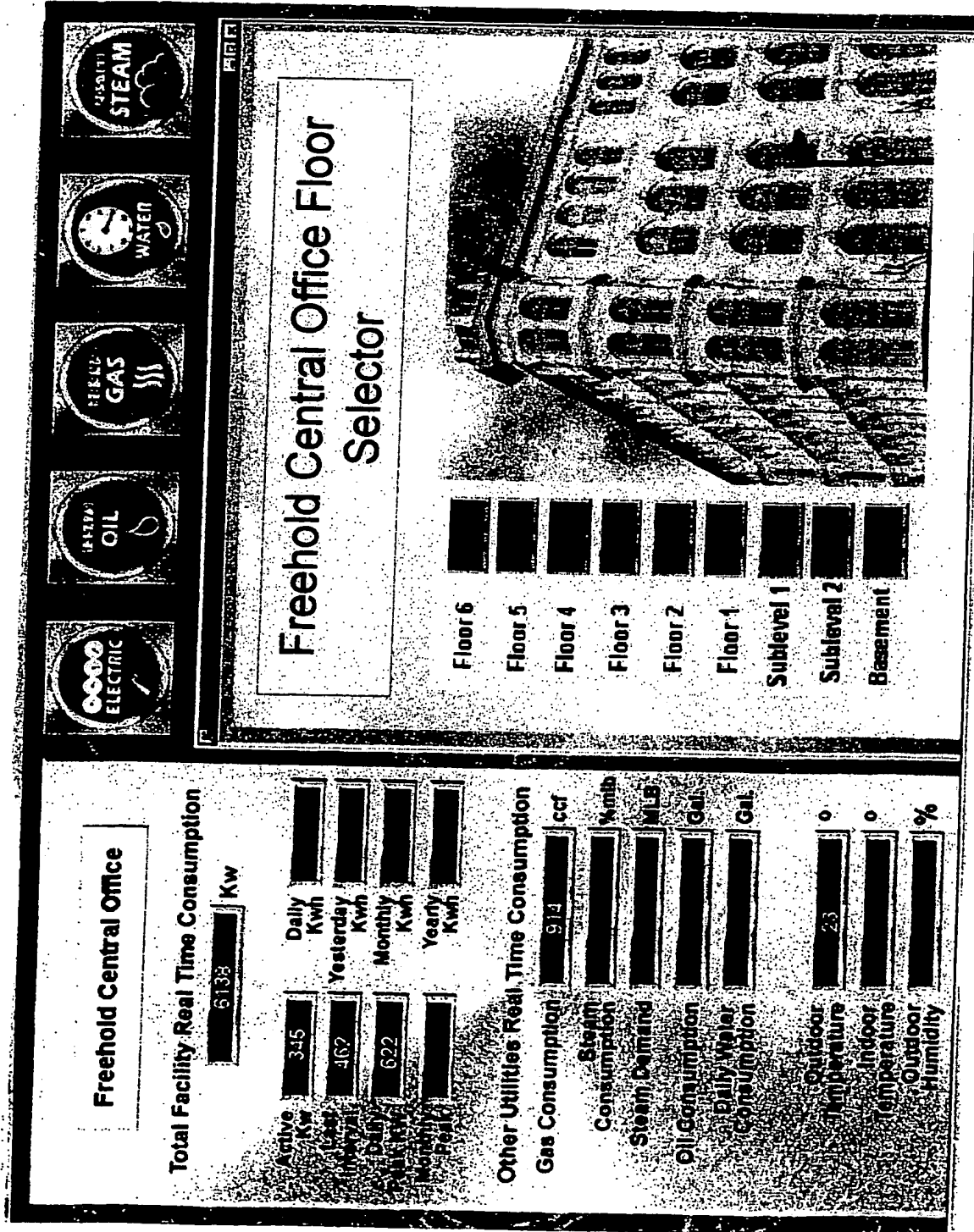
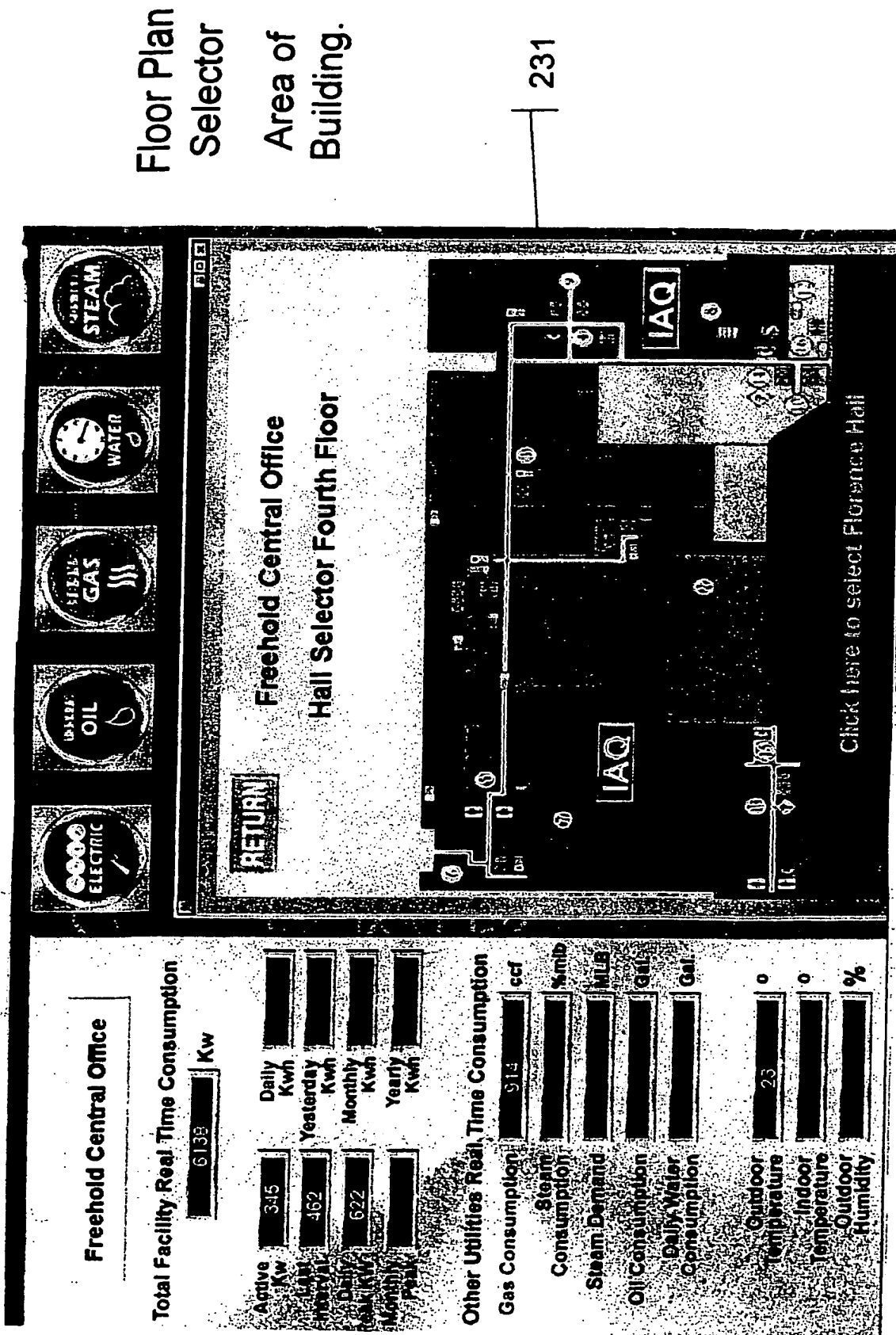


Figure 8

BEST AVAILABLE COPY

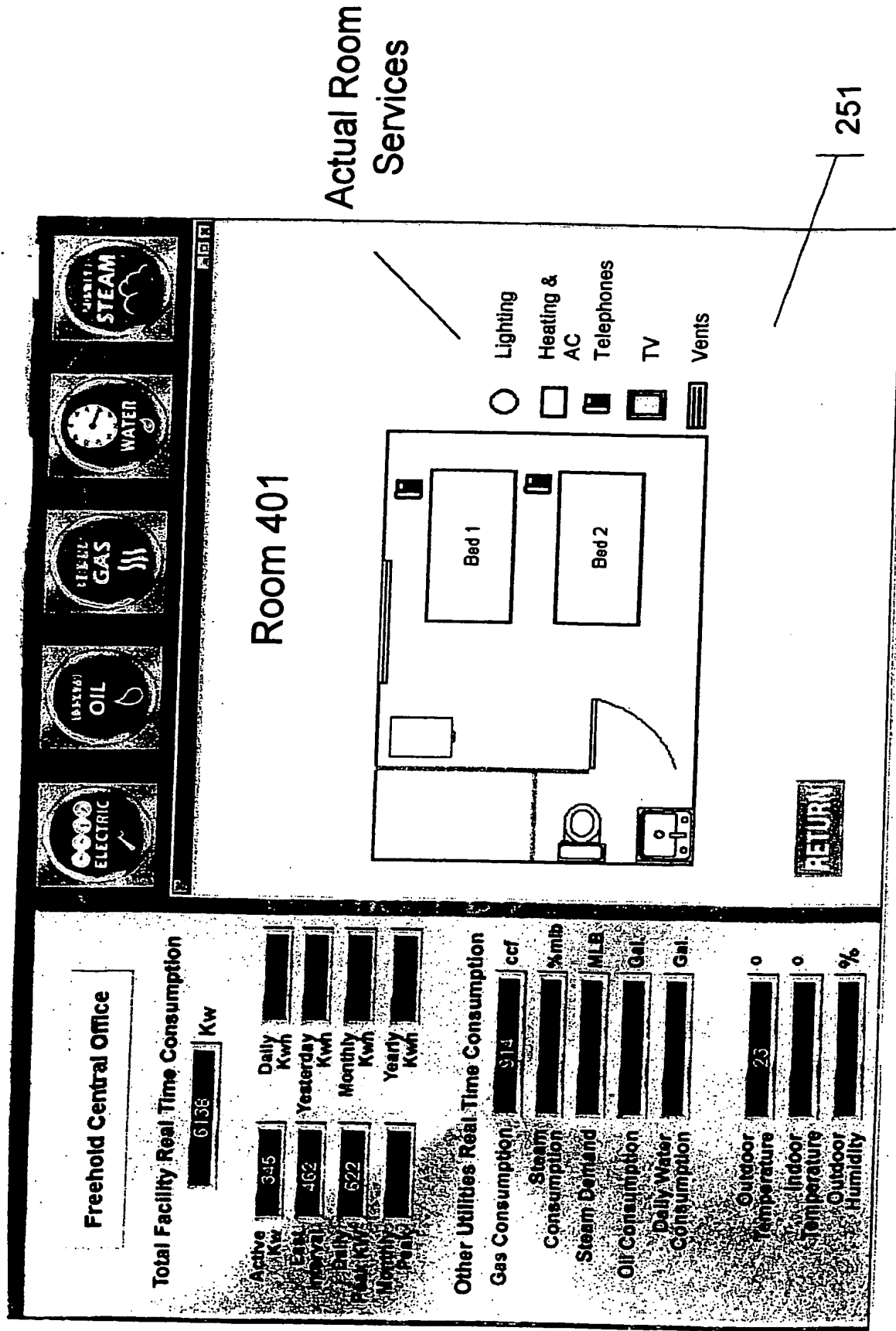


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Figure 9

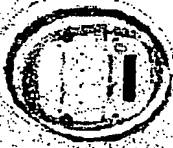
241





BEST AVAILABLE COPY Figure 11

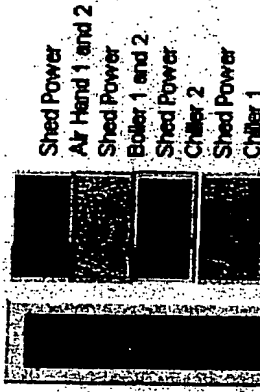
Electric Adaptive Demand Center



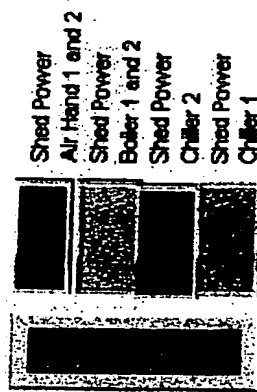
HVAC Load #1



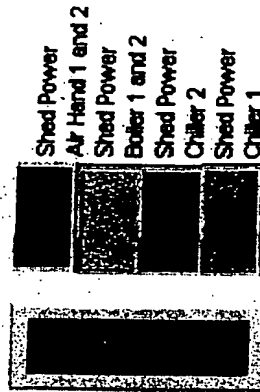
HVAC Load #2



HVAC Load #3





















HVAC Load #4



271

HVAC Efficiency

RETURN

		LIGHTING	
Present Load	???	???	???
???	???	???	???
		AHU	
???	???	???	???
		BACK UP GENERATION	
???	???	???	???
		DOMESTIC HEATING	
???	???	???	???
		BUILDING HEAT	
???	???	???	???
		CHILLER	
???	???	???	???

291

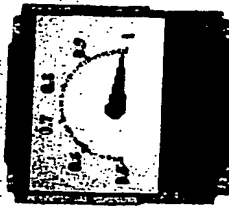
Figure 13

EST AVAILABLE COF

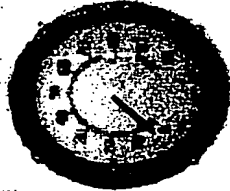
Power Quality Control



HVAC Load #1



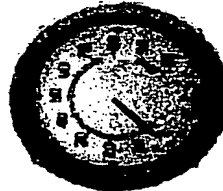
Power Factor Harmonic Distortion



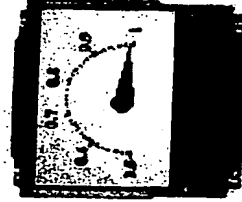
HVAC Load #2



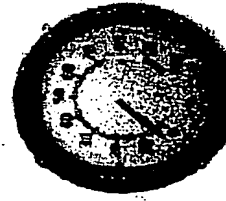
Power Factor Harmonic Distortion



HVAC Load #3



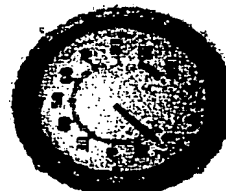
Power Factor Harmonic Distortion



HVAC Load #4



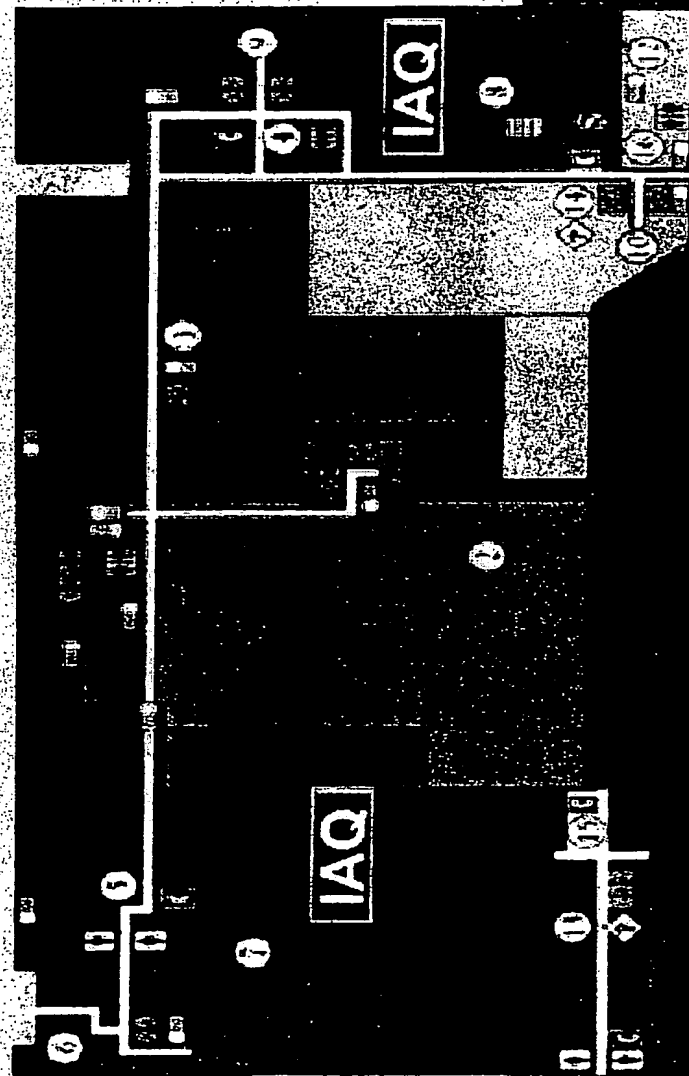
Power Factor Harmonic Distortion



311

REPLACEMENT SHEET

Indoor Air Quality Room Selector for
Fourth Floor



Please Select a Room

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Figure 15



Indoor Air Quality

RETURN

Level Detected Acceptable

SO ₂ - Sulfur Dioxide	0.2 ppm	0.14 ppm
H ₂ S	0 ppm	0.14 ppm
CO ₂ - Carbon Dioxide	1500 ppm	1000 ppm
CO - Carbon Monoxide	1 ppm	2.5 ppm
NO - Nitrous Oxide	37.2 ppm	0.4 p pm
NO ₂ - Nitrogen Dioxide	0.7 ppm	0.3 ppm
VOCs - Volatile Organic Compounds	High	Medium
RH - Relative Humidity	44% - 58.4%	
Temp -	°	

331

Figure 16

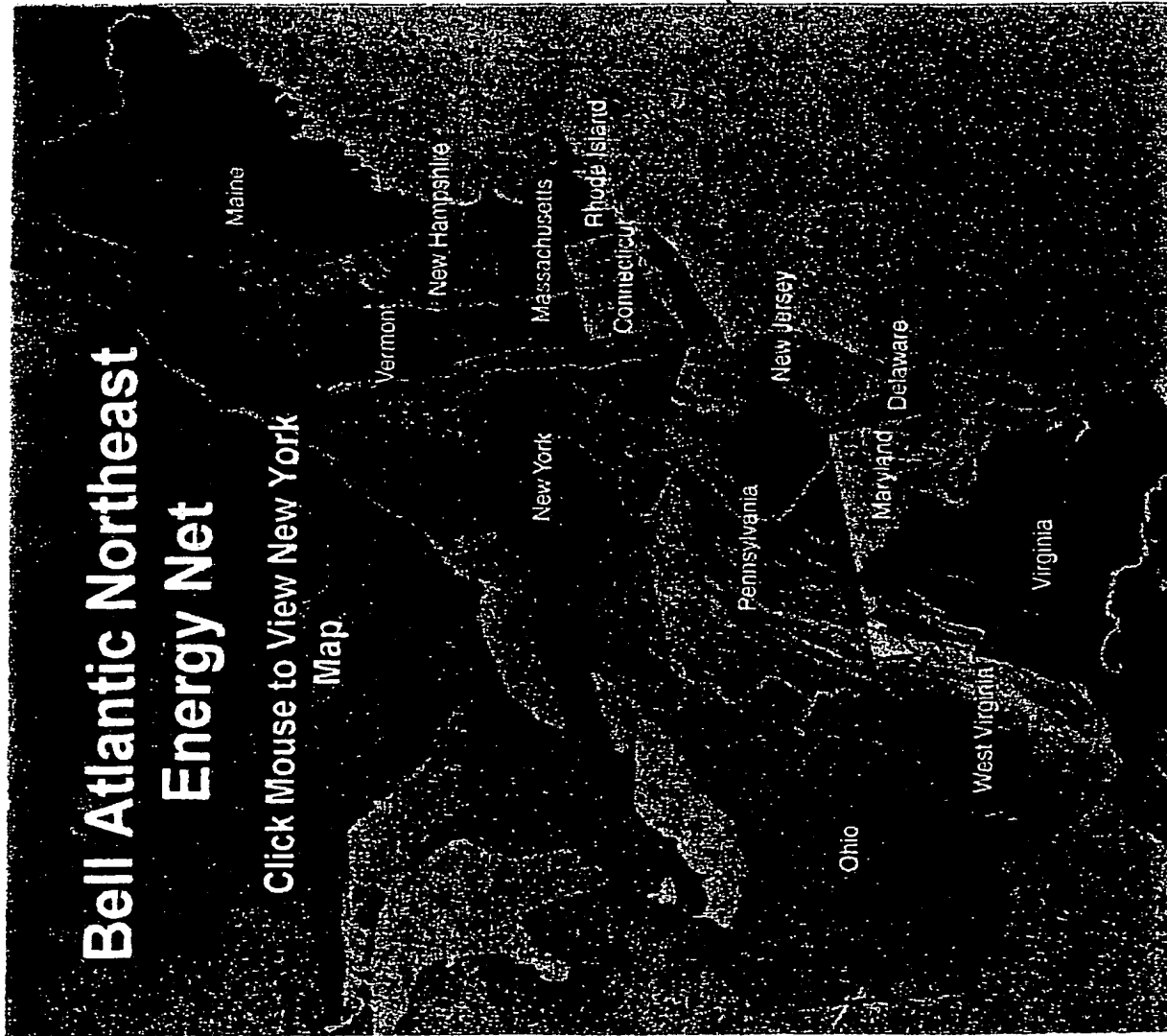
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Location of
Multisite
Location



Bell Atlantic Northeast Energy Net

Click Mouse to View New York
Map

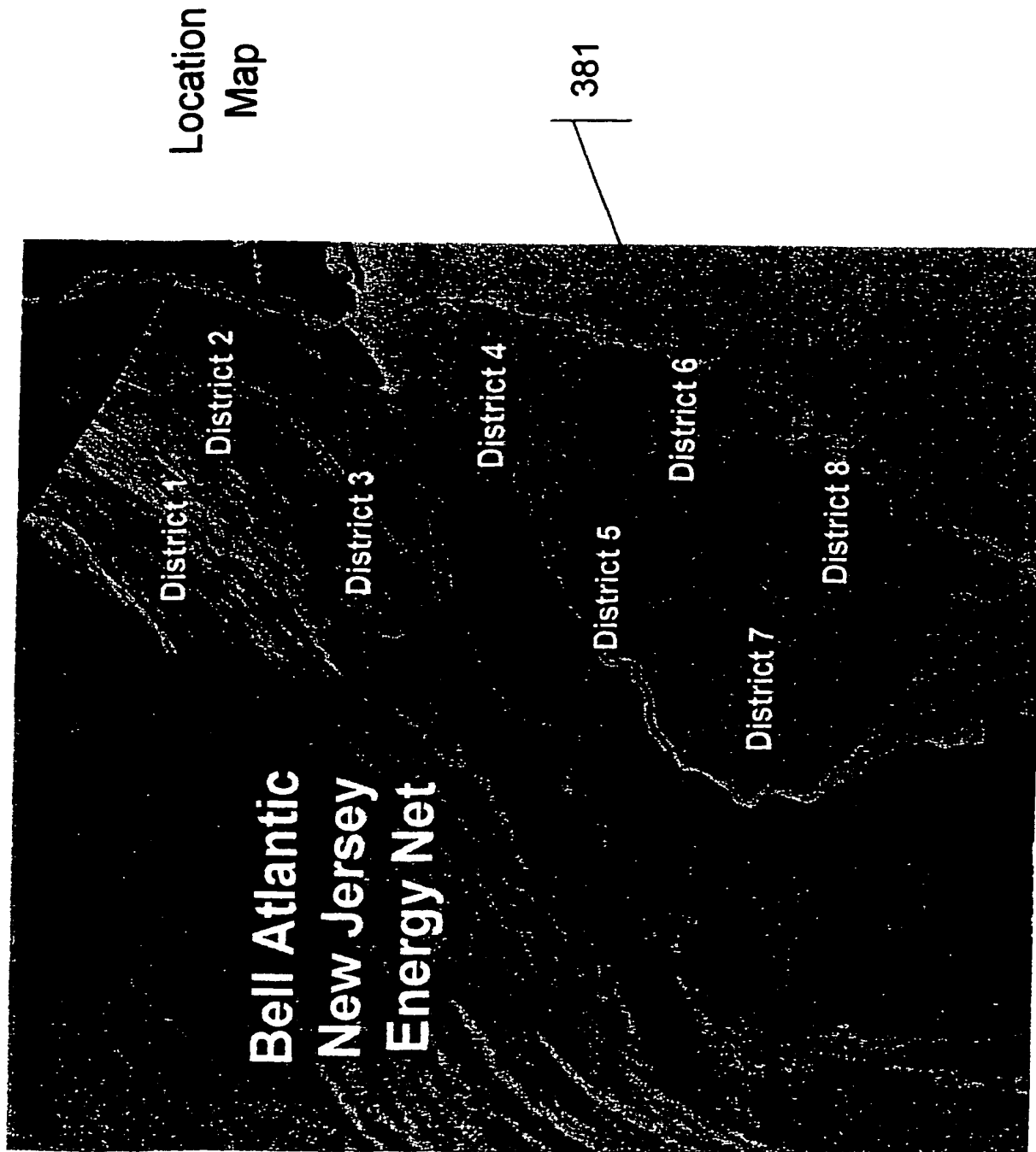


Location
Maps

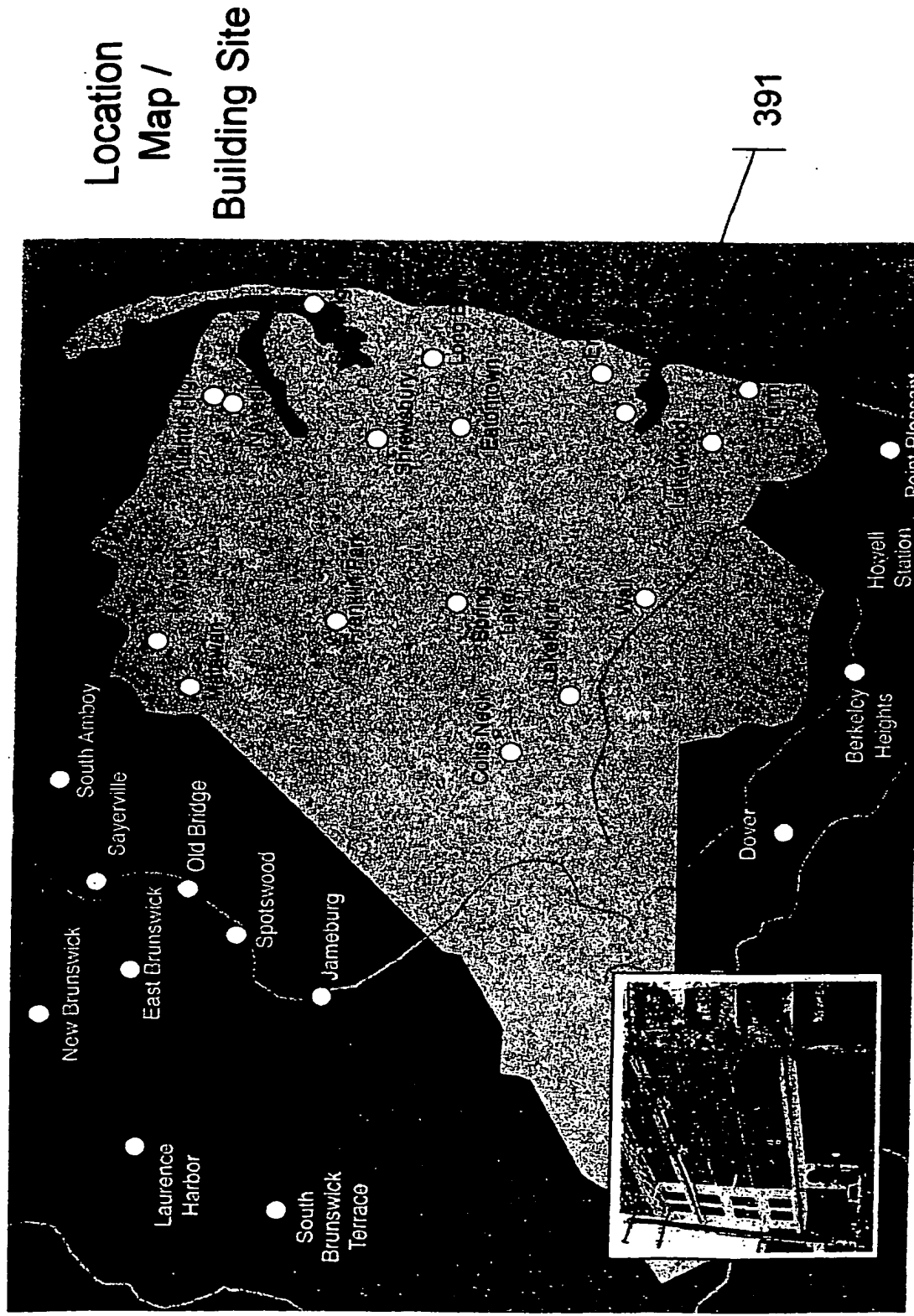
371

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Figure 18

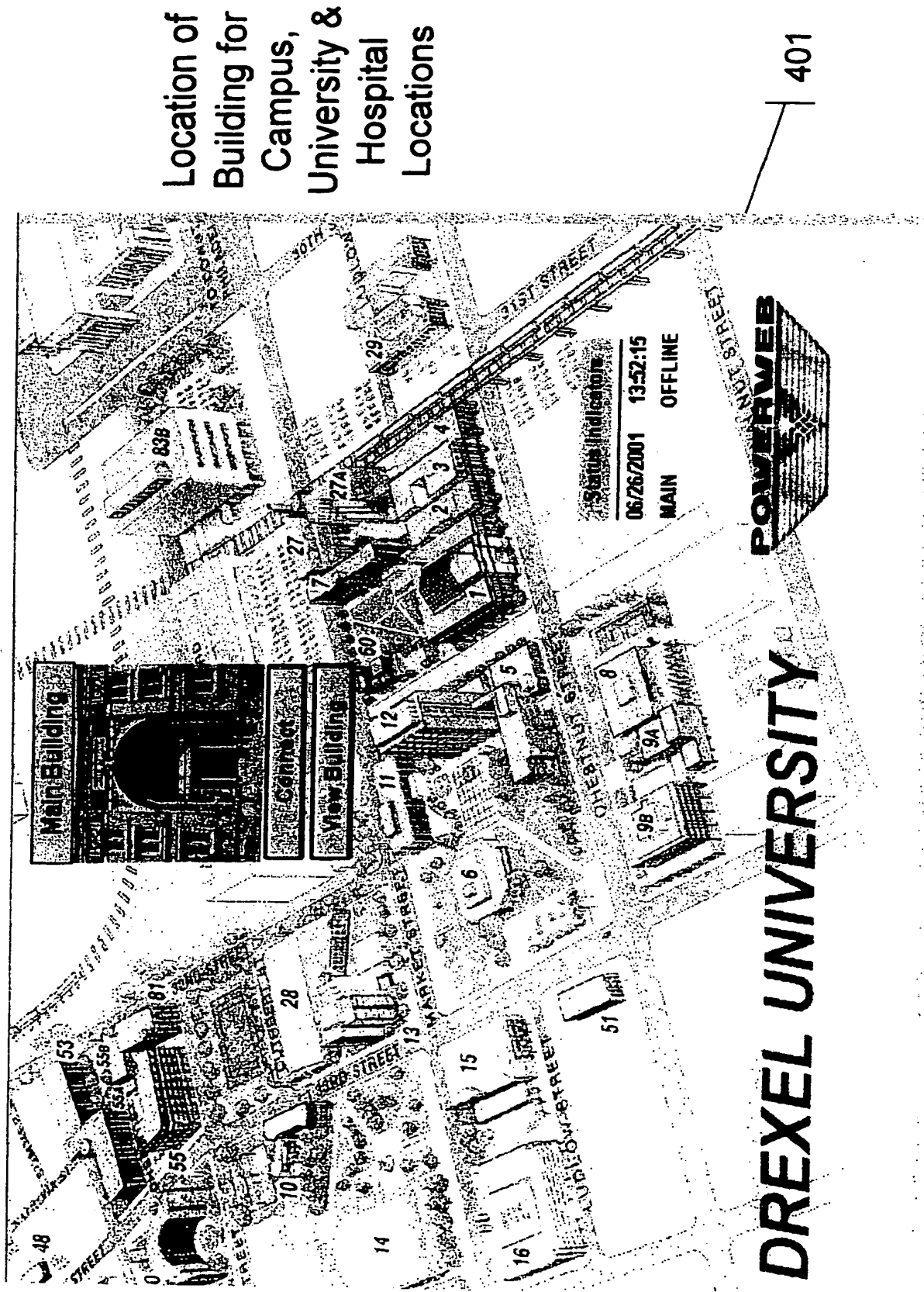


New Jersey Energy Net District 4



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Figure 20



BEST AVAILABLE COPY Figure 21

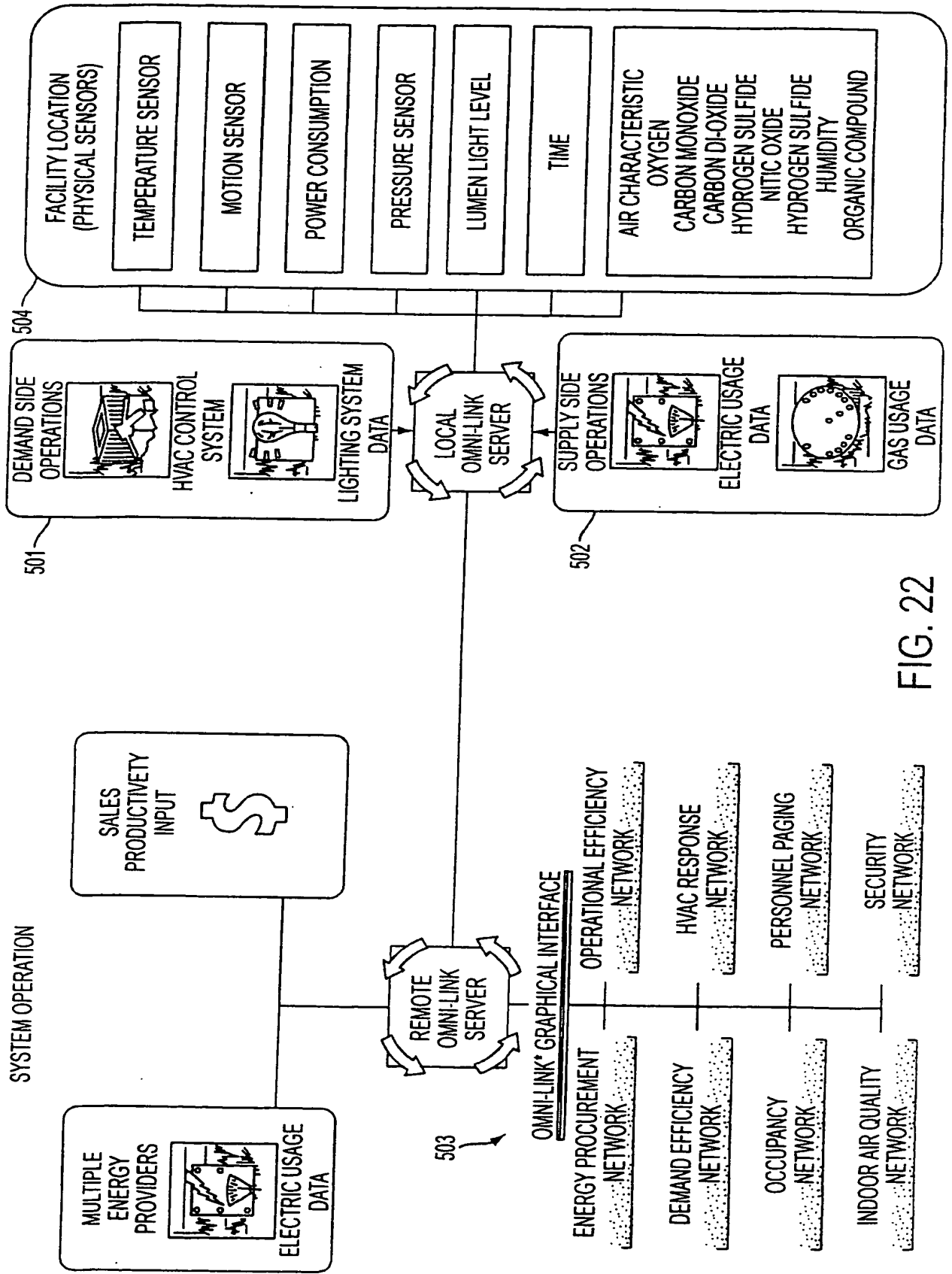
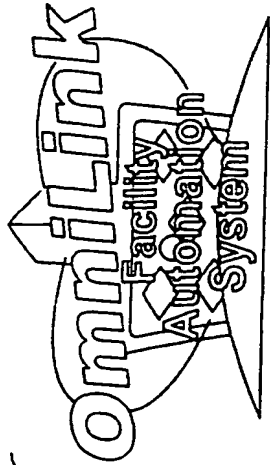


FIG. 22



DEMAND
EFFICIENCY
NETWORK

NET BENEFITS:

- CENTRALIZED DEMAND CONTROL
- LOCALIZED DEMAND CONTROL
- UTILITY PROCUREMENT DEMAND CONTROL
- CORPORATE DEMAND PROFILING
- PINPOINT PROBLEM AREAS

NET SAVINGS:

- CONSERVATIVELY A 3-10% REDUCTION IN ELECTRICAL DEMAND

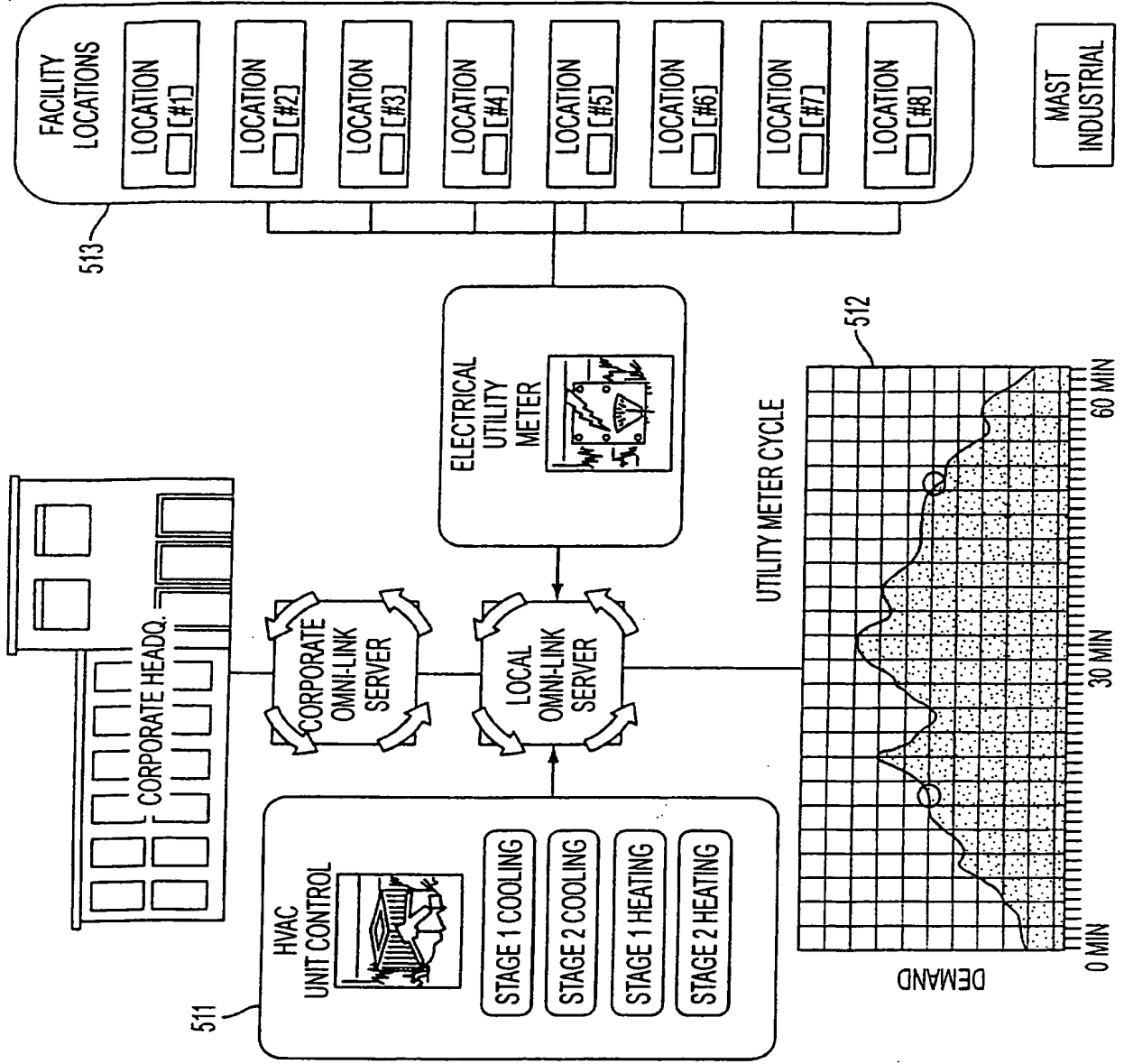
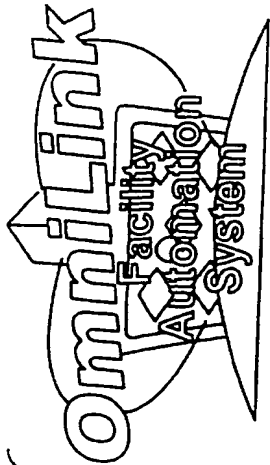
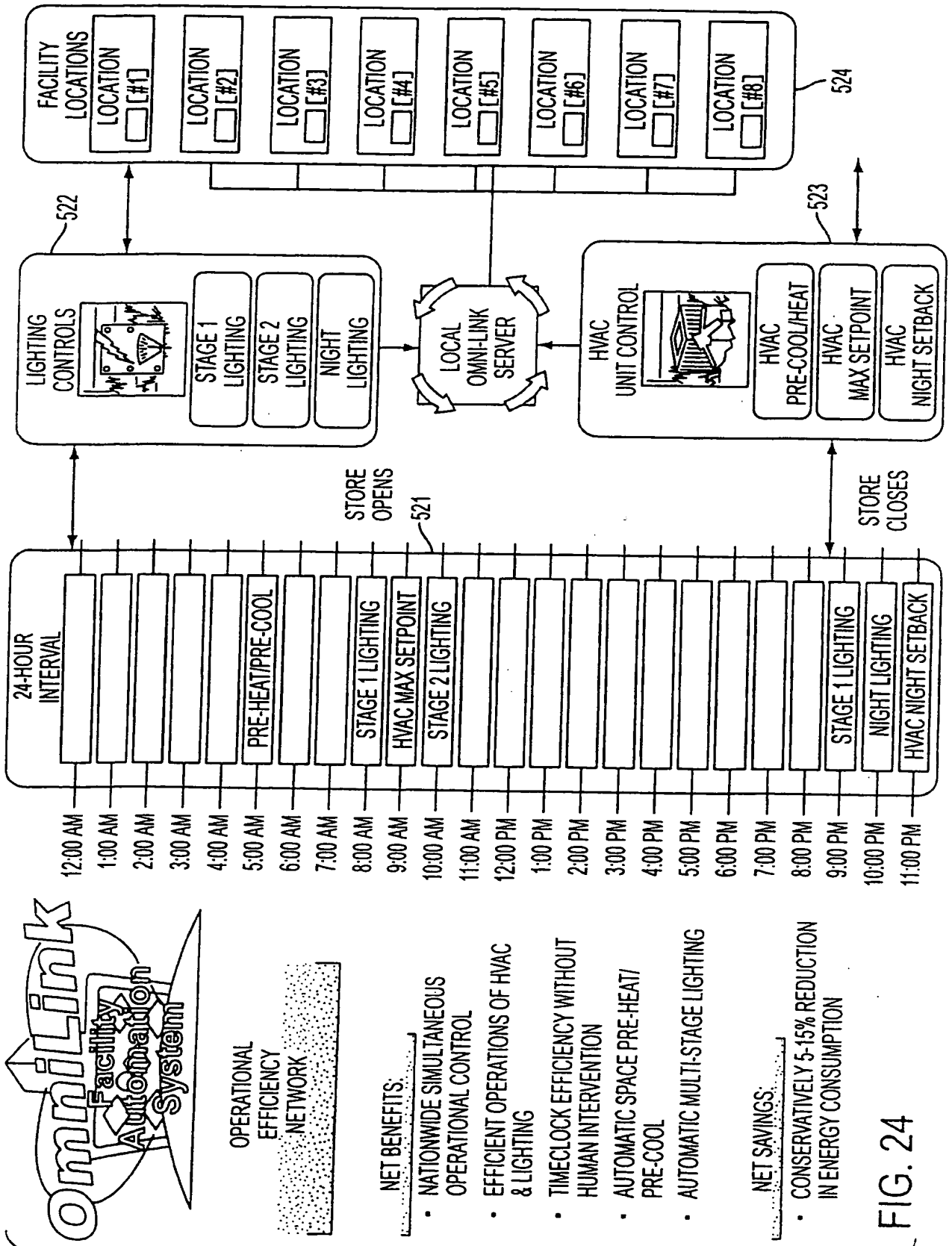


FIG. 23



OPERATIONAL
EFFICIENCY
NETWORK

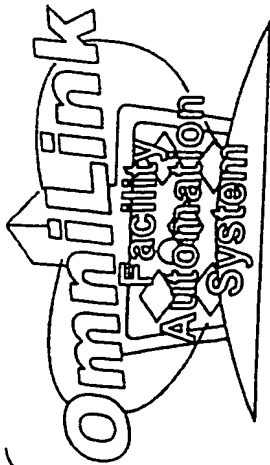
NET BENEFITS:

- NATIONWIDE SIMULTANEOUS OPERATIONAL CONTROL
- EFFICIENT OPERATIONS OF HVAC & LIGHTING
- TIMECLOCK EFFICIENCY WITHOUT HUMAN INTERVENTION
- AUTOMATIC SPACE PRE-HEAT/PRE-COOL
- AUTOMATIC MULTI-STAGE LIGHTING

NET SAVINGS:

- CONSERVATIVELY 5-15% REDUCTION IN ENERGY CONSUMPTION

FIG. 24



ENERGY
PROCUREMENT
NETWORK

NET BENEFITS:

- CENTRALIZED PROCUREMENT NETWORK
- LOW COST ELECTRICITY
- INSTANT CONSOLIDATION
- INSTANT AGGREGATION
- GRID PURCHASE / NO MIDDLEMAN

NET SAVINGS:

- APPROXIMATELY 10% LESS THAN THE DEREGULATED PRICE
- APPROXIMATE SAVINGS 2 TO 5 MILLS

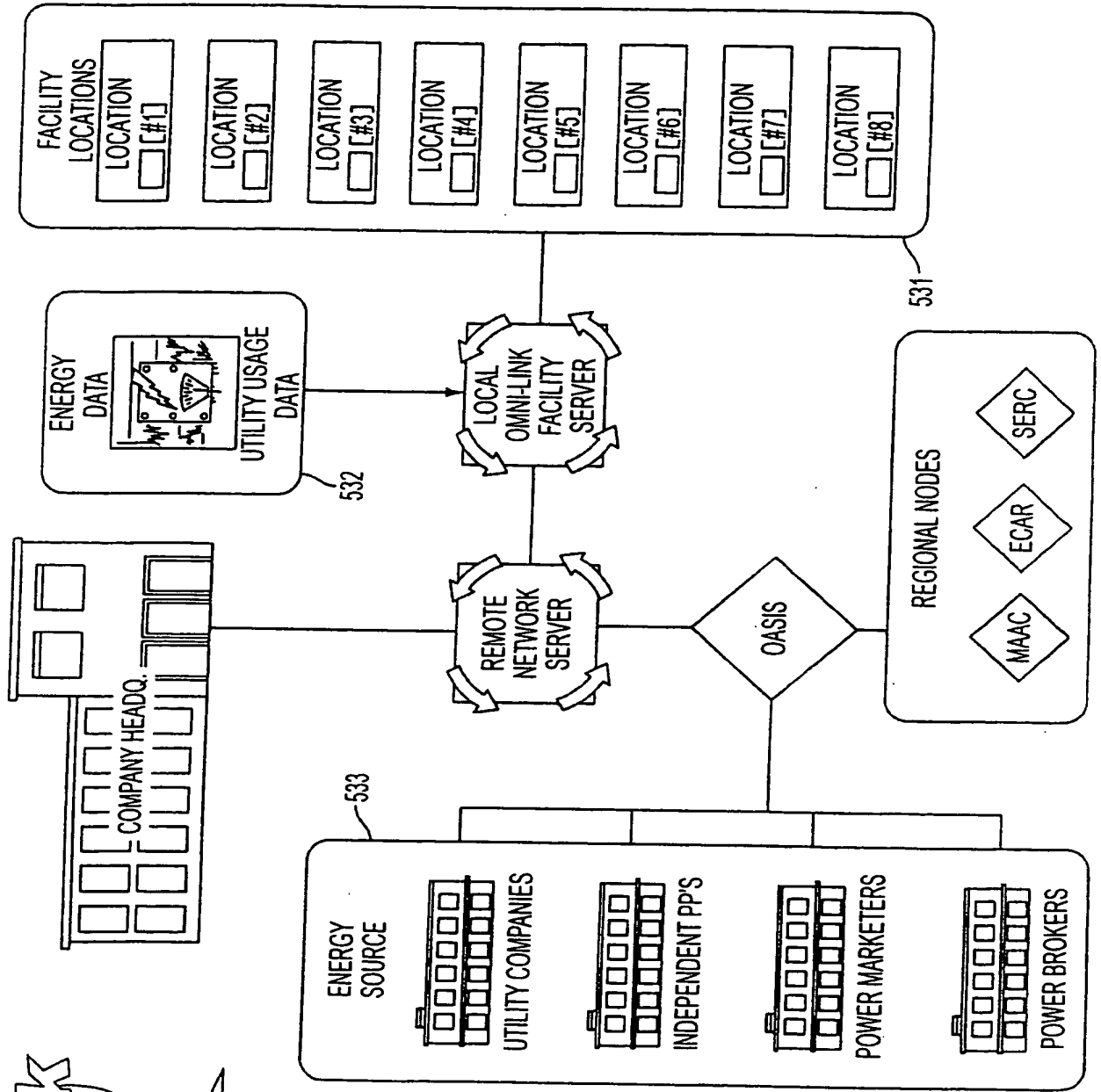
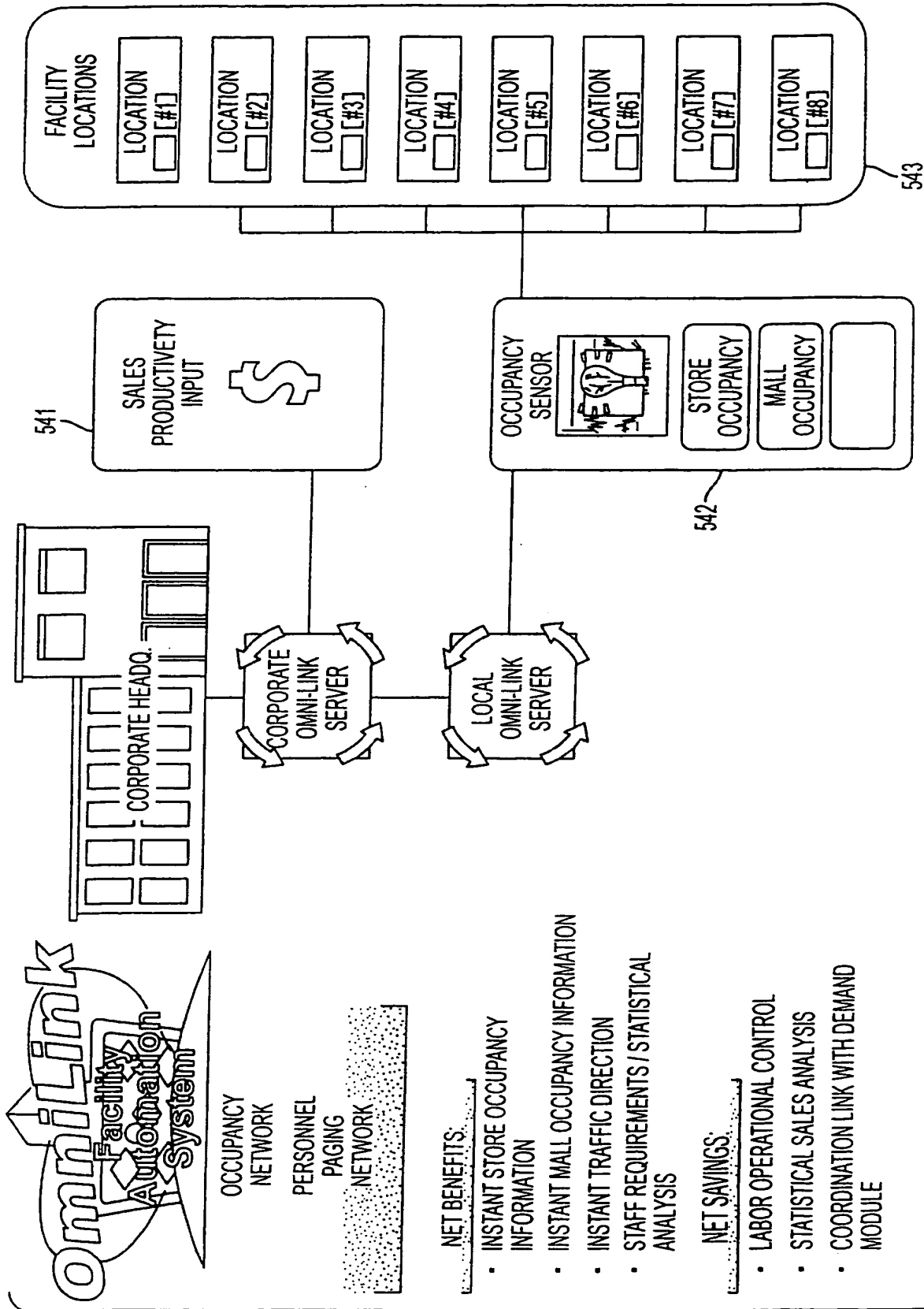


FIG. 25



NET BENEFITS:

- INSTANT STORE OCCUPANCY INFORMATION
- INSTANT MALL OCCUPANCY INFORMATION
- INSTANT TRAFFIC DIRECTION
- STAFF REQUIREMENTS / STATISTICAL ANALYSIS

NET SAVINGS:

- LABOR OPERATIONAL CONTROL
- STATISTICAL SALES ANALYSIS
- COORDINATION LINK WITH DEMAND MODULE

FIG. 26

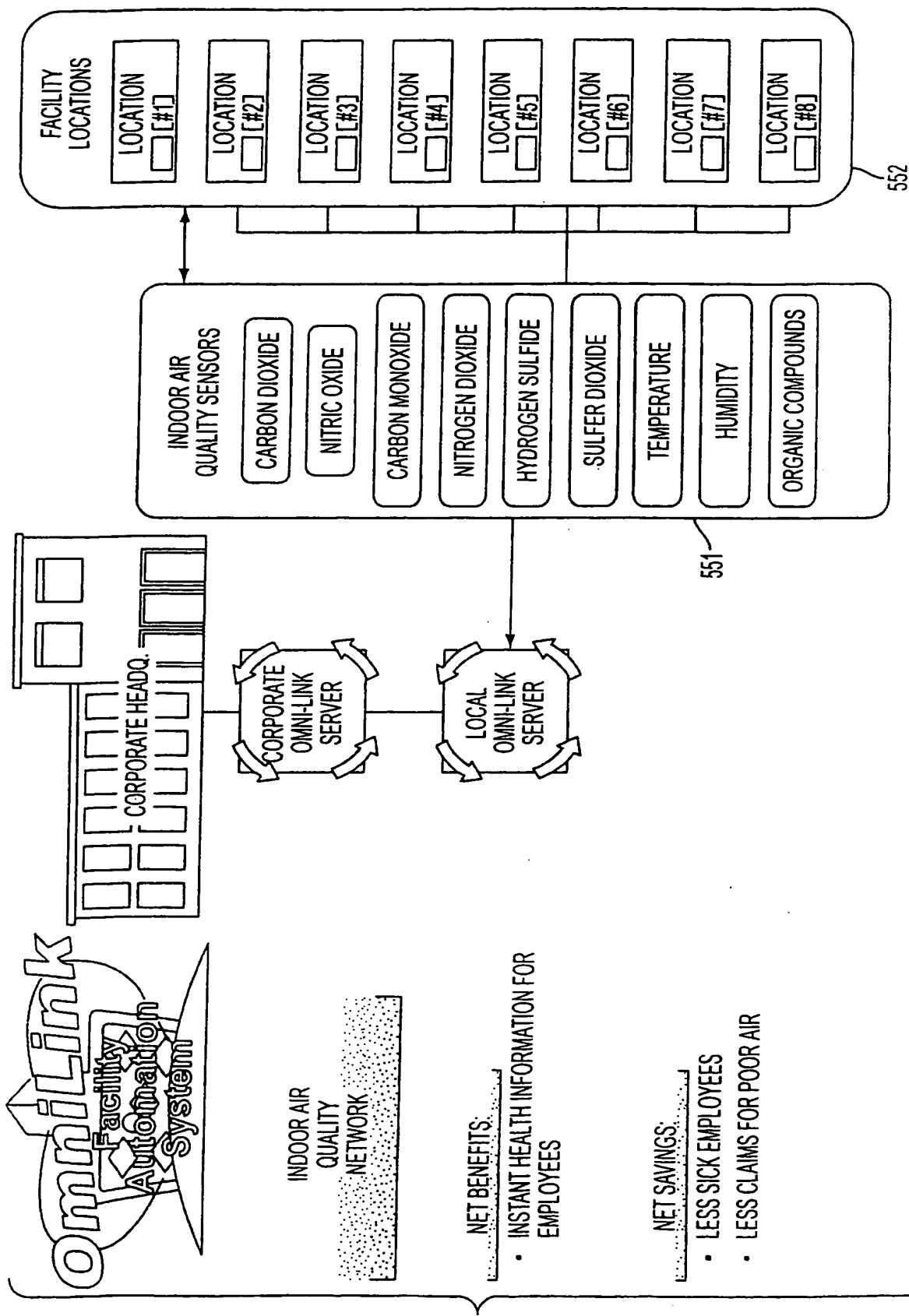


FIG. 27

REPLACEMENT SHEET

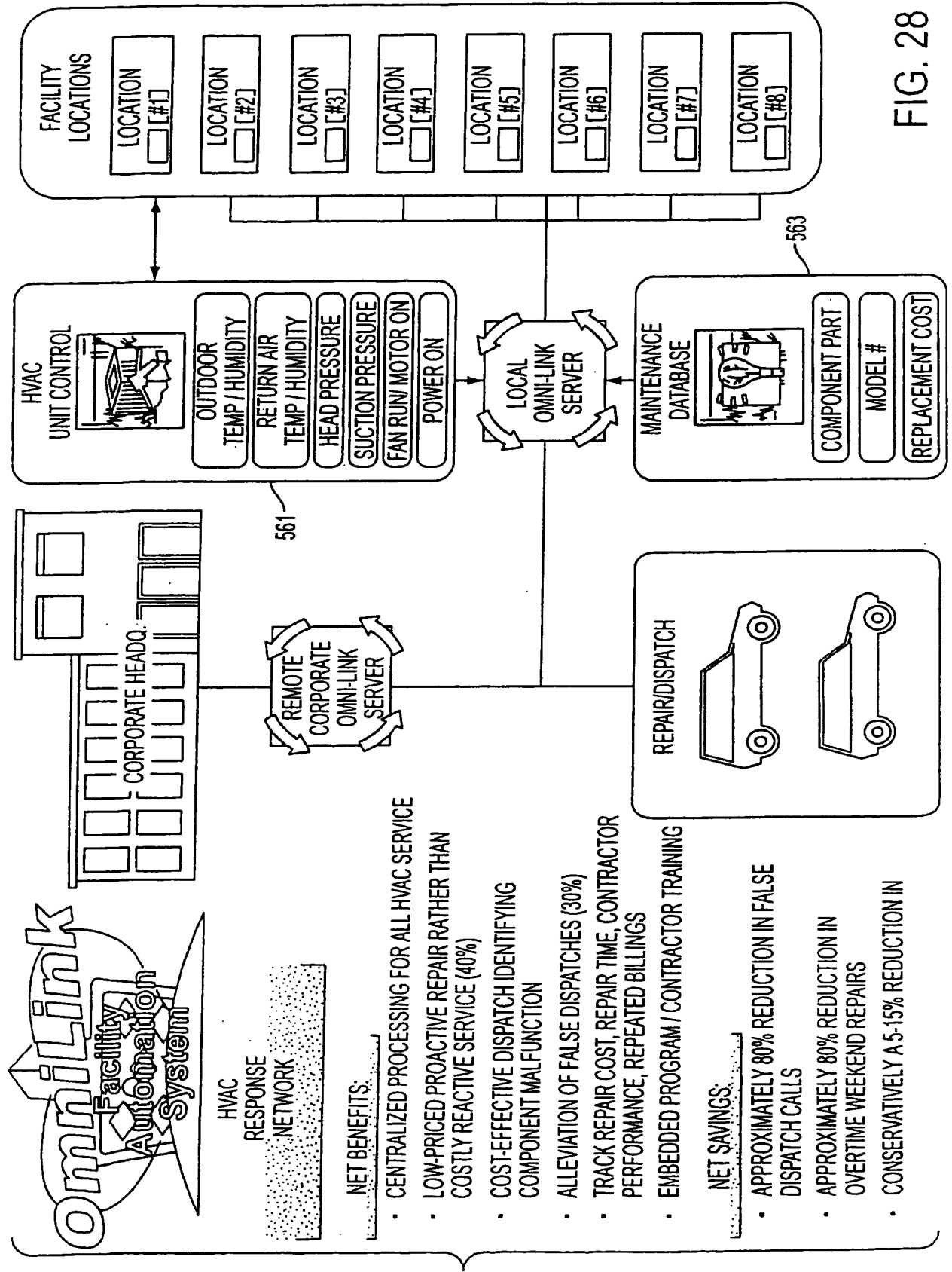


FIG. 28